

UNIVERSITI TEKNOLOGI MARA

**(eKampung) – A COMMUNITY
WEB-BASED PORTAL FOR PAGOH
RESIDENTS**

NUR SYAHIRAH BINTI ONN

**BACHELOR OF INFORMATION
TECHNOLOGY (Hons.)
FACULTY OF COMPUTER AND
MATHEMATICAL SCIENCES**

JULY 2019

ACKNOWLEDGEMENT

All praise to Allah because of His Almighty and His utmost blessings, I was able to complete my final year project for this semester in time. This final year project has been successfully completed though there have been some hardship and difficult time for me to finish the research.

I would like to express my deepest appreciation to all those who provided me the possibility to complete this project. A special gratitude I give to my CSP600 lecturer, Dr Emma Nuraihan Mior Ibrahim, whose contribute in stimulating suggestions and encouragement, full effort in guiding me in finishing my final year project.

Furthermore, I would like to acknowledge with much appreciation to my supervisor who gave me support and abundance of useful information for my project, Madam Zatul Amilah Shaffiei. Her support had become one of the key factors in delivering this research successfully.

Finally, a special thanks goes to my colleagues, who gave me information and helping me a lot throughout this final year project. I really appreciate the cooperation that are given by all of you in order to complete this project.

ABSTRACT

Living in a community is the best way of live that a person can experience as you will always have someone to rely on. Nowadays, with the help of technologies, the engagement in a community become more stronger and easier as the community members can communicate with each other from everywhere and at anytime. People become more attach to the community as everyone has the same purpose. Therefore, this project is to propose an efficient way for Pagoh residents to communicate with each other more easier. The objective of this project is to develop eKampung which is a community web-based portal for Pagoh residents. The scope of this project is the residents from Pagoh. This project focuses on blasting events information and advertising businesses run by the residents. Residents can interact with each other through discussion forum. This project practices Web Development Life Cycle (WDLC) approach for the development. WDLC is divided into 6 phases which are planning, analyzing, design, development, testing and maintenance. This project practices until testing phase only. From the testing phase, most of the respondents gave a positive feedback for the community portal to engage and attach among residents. As a conclusion, eKampung: a community web-based portal for Pagoh residents will provide an effective platform for Pagoh residents to interact with each other.

Keywords: community, virtual community, community portal, E-community, community model, Web Development Life Cycle.

TABLE OF CONTENTS

CONTENT	PAGE
SUPERVISOR APPROVAL	ii
STUDENT DECLARATION	iii
ACKNOWLEDGEMENT	iv
ABSTRACT	v
TABLE OF CONTENTS	v
LIST OF FIGURES	ix
LIST OF TABLES	xi
CHAPTER ONE: INTRODUCTION	
1.1 Project Background	1
1.2 Problem Statement	3
1.3 Project Objectives	6
1.4 Project Scope	6
1.5 Project Significance	7
1.6 Summary	7
CHAPTER TWO: LITERATURE REVIEW	
2.1 Community	
2.1.1 Definition of Community	8
2.1.2 Categories of Community	9
2.2 Web Portal	
2.2.1 Definition of Web Portal	10
2.2.2 Benefits of Web Portal	11
2.2.3 Types of Web Portal	11
2.3 Community Portal	
2.3.1 Definition of Community Portal	12
2.3.2 Benefits of Community Portal	13
2.3.3 Community Model	13
2.3.4 Characteristics of Community Model	14

CHAPTER 1

INTRODUCTION

This chapter clarifies the background of this project. Thus, this chapter consists of project background, problem statement, project objectives, project scope and project significance.

1.1 Project Background

Malaysia consists of different ethnic groups that practicing different religion and culture. The specialty of Malaysians is that even though they are from different races and religions, they still have a strong community spirit among each other. Community is a group of people that live in the same area and have common interests. Members in the community work together to achieve goals for the benefit of the community. Pagoh residents consists of different religions and races with different range of age. They engage with each other through social media such as Facebook and WhatsApp. The problem is that the used of social media is not organized accordingly to fulfill the needs of the community.

Due to the above mentioned problem, therefore this study is trying to integrate the community with the technology in more effective way. Nowadays, technologies have been used in many areas such as communication, education and business to ease processes and provide better services to the community. Applying technology in various activities such as community event and convention in community has become common because they are highly engaged with the technology (Han, Wirth, Hanrahan, Chen, Lee, & Carroll, 2016).

With the growth of technology, there has been an increase of interest in leveraging the benefits of website or portal in community. There are many local communities that already familiar with the used of community portal as an